NNN N	NN IIIIIII	1 cccccccc	CC NNN	NNN	FFFFFFFFFFFFF
	INN IIIIIII	i čččččččč			FFFFFFFFFFFF
	INN IIIIIII	1 00000000			FFFFFFFFFFFFF
	INN III	CCC	NNN	NNN	FFF
	INN III	555	NNN		FFF
	INN III	555	NNN	NNN	FFF
	INN III	ŽŽŽ	HUNNNI	NNN	FFF
	INN III	222	NNNNN	NNN	FFF
	INN III	ŽŽŽ	NNNNN		FFF
	INN III	555	NNN NNN		FFFFFFFFFFF
	INN III	222	NNN NNN		FFFFFFFFFF
	INN III	555	NNN NNN		FFFFFFFFFF
NNN NNNN		555			FFF
NNN NNNN		555			FFF
NNN NNNN		222		NNNNN	FFF
	INN III	ČČČ	NNN	NNN	FFF
	INN III	ČČČ	NNN		FFF
	NN III	ČČČ	NNN		FFF
	NN IIIIIII	I CCCCCCCC		NNN	FFF
	NN IIIIIII	i cccccccc			FFF
	NN IIIIIII				FFF

**

\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$

00000000 00000000000000000000000000000	NN	######################################
		\$

F 2

VAX-11 Bliss-32 V4.0-742 [NICNF.SRC]CNFSHOW.B32;1

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V

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DECnet Configurator Module (NICONFIG)

This module contains the routines to return information on a SHOW request generated by an NCP> SHOW MODULE CONFIGUTOR command.

CREATION DATE: 13-Oct-1982

```
H 2
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
VO4-000
                       DECnet Ethernet Configurator Module Definitions
                                                                                                                                VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                                     Page
    %SBTTL 'Definitions'
                                   ! INCLUDE FILES:
                                  LIBRARY 'SYS$LIBRARY:STARLET'; ! VMS common definitions
                                  LIBRARY 'SHRLIB$: NMALIBRY';
                                                                                 ! NICE code definitions
                                  REQUIRE 'LIBS: CNFDEF.R32';
                                   REQUIRE 'SRC$: CNFPREFIX.REQ';
                       0250
0251
02553
02554
02556
02556
02567
02567
02667
02667
02667
02689
                                     BUILTIN functions
                                  BUILTIN
                                         SUBM:
                                                                                 ! To support quadword subtraction
                                  LITERAL
                                         NICE_BUFLEN = 128;
                                   ! TABLE OF CONTENTS:
                                  FORWARD ROUTINE
                                              PROCESS_SHOW,
SHOW_CIRCUIT,
SHOW_SYSTEM;
                                                                                   Cover routine for common error handling of SHOW processing format circuit info format info for a system ID message.
                                     EXTERNAL REFERENCES:
                                  EXTERNAL ROUTINE
                                         ! Module CNFMAIN
                                              CNF$EXIT,
CNF$TRACE,
CNF$FREE_VM,
CNF$GET_ZVM,
                                                                                    Clean up and exit
Log messages to log file
free virtual memory
                                                                                    Get zeroed virtual memory
                                         ! Module CNFREQUES
                                                                                 ! Locate circuit block from circuit name
                                              CNF$LOCATE_CIR_BLK,
                                         ! Module CNFSEND
                                              CNF$BUFR_NICE_MSG.
CNF$BUFR_ERR_MSG;
                                                                                    Buffer NICE response messages
Buffer NICE error responses
```

CI

CI

```
CNF SHOW
V04-000
                                              nfigurator Module 16-Sep-1984 02:05:37
Search the data base and for 14-Sep-1984 12:49:54
                     DECnet Ethernet Configurator Module
                     CNF SPROCESS_SHOW
                                %SBTTL 'CNF$PROCESS_SHOW Search the data base and format a response message' GLOBAL ROUTINE CNF$PROCESS_SHOW (IRB, KNOWN, CIRCUITNAM_DSC, INFTYP) =
    FUNCTIONAL DESCRIPTION:
                                    Shell routine to supply a common entrance and error exit to the routine which builds the SHOW message.
                                   FORMAL PARAMETERS:
                                           irb
                                                                 Interrupt request block, contains context for returning
                                                                 responses to connectee.
                                           known
                                                                 Was SHOW KNOWN CIRCUITS requested?
                                           circuitnam_dsc
                                                                Descriptor of circuit name if SHOW was requested for a specific circuit.
                                                                Code determining which information type was requested for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                           inftyp
                                   IMPLICIT INPUTS:
                                           NONE
                                   IMPLICIT OUTPUTS:
                                           NONE
                                   ROUTINE VALUE:
COMPLETION CODES:
                                    Always success, errors are buffered for return to connectee.
                                   SIDE EFFECTS:
                                           NONE
                                     BEGIN
                                     LOCAL
                                           STATUS:
                     0356
0357
0358
0359
0361
0363
0364
03667
0368
0370
0371
                                     CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
$DESCRIPTOR ('CNF$PROCESS_SHOW'));
                                           Send MORE message
                                     EXECUTE (CNF$BUFR_NICE_MSG (.IRB, NICE_MORE_DSC, 0));
                                           Request that the SHOW information be gathered, formatted and buffered.
                                     STATUS = PROCESS_SHOW (.IRB, .KNOWN, .CIRCUITNAM_DSC, .INFTYP);
IF NOT .STATUS
                                      THEN
                                           CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_MPR, 0, .STATUS);
```

CI

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```
DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 CNF$PROCESS_SHOW Search the data base and for 14-Sep-1984 12:49:54
CNF SHOW
V04-000
                                                                                                                     VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                     Page
   188
189
190
191
192
193
194
                                          Send DONE message
                                     EXECUTE (CNF$BUFR_NICE_MSG (.IRB, NICE_DONE_DSC, 0));
                                     END:
                                                                          ! Routine CNF$PROCESS_SHOW
                                                                                                             CNFSHOW DECnet Ethernet Configurator Module
                                                                                                   .TITLE
                                                                                                   .PSECT
                                                                                                             $PLIT$, NOWRT, NOEXE, 2
                                                                                                             -128
3
                                                                                00000 P.AAA:
                                                                                                   .BYTE
                                                                                                   .BYTE
                                                                                                   . WORD
                                                         43 41 52
                                                                                       P.AAD:
                                                                                                             \TRACE\
                                                                                                   .ASCII
                                                                                                   .BLKB
                                                                  P.AAC:
                                                                                                   .LONG
                                                                                                   .ADDRESS P.AAD
                                                                                       P.AAF:
                                               52
                                                     50 24
                                                                                                   .ASCII \CNF$PROCESS_SHOW\
                                                                   00000010
                                                                                                   .LONG 16
.ADDRESS P.AAF
                                                                   00000000
                                                                                                   .PSECT SOWNS, NOEXE, 2
                                                                               00000 NICE_DONE_DSC:
.CONG 1
.ADDRESS P.AAA
                                                                   00000001
                                                                   00000000
                                                                               00008 NICE_MORE DSC:
                                                                   00000004
                                                                                                   .ADDRESS P.AAB
                                                                  00000000, 00000
                                                                                                             CNF$EXIT, CNF$TRACE
CNF$FREE_VM, CNF$GET_ZVM
CNF$LOCATE_CIR_BLK
CNF$BUFR_NICE_MSG
CNF$BUFR_ERR_MSG
CNF$GQ_CIRSURLST
                                                                                                   EXTRN
                                                                                                   .EXTRN
                                                                                                   .EXTRN
                                                                                                   .EXTRN
                                                                                                   .EXTRN
                                                                                                   .PSECT
                                                                                                             $CODE$, NOWRT, 2
                                                                                                                                                                          0316
0357
0356
                                                                                                   .ENTRY
                                                                                                             CNF$PROCESS_SHOW, Save nothing
                                                             0000
                                                                                                            P.AAC
                                                                                                   PUSHAB
                                                                                                   PUSHAB
                                                                           DD FB D4
                                                                                                   PUSHL
                                          0000G CF
                                                                                                                  CNF STRACE
                                                                                                                                                                          0362
                                                             0000'
                                                                                                   PUSHAB
                                                                                                             NICE_MORE_DSC
                                                                                                   PUSHL
                                                                                                                  CNF$BUFR_NICE_MSG
                                                    CF
33
7E
                                           0000G
                                                                                                   CALLS
                                                                                                             CIRCUITNAM_DSC, -(SP)
                                                                                                                                                                          0367
                                                                00
                                                                                                  PVOM
```

CN

CNF SHOW V04-000	DECnet Ethernet Config CNF\$PROCESS_SHOW Sea	urator irch the	Module data b	ase a	and for	16-Sep-19	84 02:05 84 12:45	5:37 YA	AX-11 Bliss-32 V4.0-742 NICNF.SRCJCNFSHOW.B32;1	Page (3
	0000v	7E CF OF	04	AC 04 50 50	7D 000 FB 000 E8 000 DD 000		MOVQ CALLS BLBS PUSHL	IRB, -(S #4, PRO STATUS, STATUS	SP) CESS_SHOW 1\$	036
	0000G	7E CF	04	7E 05 AC 04	D4 000 CE 000 DD 000 FB 000	34 36 39 30	CLRL MNEGL PUSHL CALLS CLRL PUSHAB PUSHL	-(SP) #5, -(SF IRB #4, CNFS	P) BBUFR_ERR_MSG	
	0000G	CF 03	0000'	CF AC 03	9F 000 DD 000 FB 000 F9 000	43	PUSHAB PUSHL CALLS BLBC	-(SP) NICE_DON IRB #3, CNFS	NE_DSC BBUFR_NICE_MSG 2\$	037
		50		50	04 000 04 000	52 28:	CALLS BLBC MOVL RET	#1, RO		037

; Routine Size: 86 bytes, Routine Base: \$CODE\$ + 0000

```
DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 process_show Search the data base and format 14-Sep-1984 12:49:54
CNF SHOW
V04-000
                                                                                                                     VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                %SBTTL 'process_show Search the data base and format a response message' ROUTINE PROCESS_SHOW (IRB, KNOWN, CIRCUITNAM_DSC, INFTYP) =
   Locate requested circuit or dispatch for all known circuits to the routine which will format and buffer the SHOW response.
                                          irb
                                                                Interrupt request block, contains context for returning
                                                                responses to connectee.
                                          known
                                                               Was SHOW KNOWN CIRCUITS requested?
                                                               Descriptor of circuit name if SHOW was requested for a specific circuit.
                                          circuitnam_dsc
                                                               Code determining which information type was requested for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                          inftyp
                     0396
0397
0398
                                    Always return success, any errors will be buffered for return to
                                   connectee.
                     0399
                     0400
0401
0402
0403
0404
0405
                                     BEGIN
                                     MAP
                                          CIRCUITNAM_DSC : REF BBLOCK;
                                     LOCAL
                                          CIR : REF BBLOCK:
                                     IF .KNOWN
                                               format the data for all circuits
                                          BEGIN
                                          CIR = .CNF$GQ_CIRSURLST;
WHILE .CIR NEW CNF$GQ_CIRSURLST DO
BEGIN
                                                                                               ! List of circuits under surveillance ! For the entire list of circuits
                                               Get next circuit in list
While traversing list of circuits
                                               END:
                                          END
                                     ELSE
                                          BEGIN
                                               Locate the requested circuit and format the data for it.
                                           IF CNF$LOCATE_CIR_BLK (.CIRCUITNAM_DSC, CIR)
                                          THEN
                                               EXECUTE (SHOW_CIRCUIT (.IRB, .CIR, .INFTYP))
                                          ELSE
                                               BEGIN ! Oops, that circuit is not in the data base CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_IDE, NMA$C_ENT_CIR, 0, .CIRCUITNAM_DSC);
```

CN

Page

NF SHOW 04-000 253 254 255 256 257 258 259		DE 0 043 043 044 044 044	6	Ethes_sho		END; URN TRI	TURN ID;		and			S-Sep-19 4-Sep-19	84 02:05 84 12:49	YAX-11 Bliss-32 V4.0-742 ENICNF.SRCJCNFSHOW.B32;1	Page (4
	77	6F	68	73	5F	73 7:	45	6F	00000	54 05 00°	00030 00035 00038 0003C 00040	P.AAG:	.PSECT .ASCII .BLKB .LONG .ADDRESS	\$PLIT\$,NOWRT,NOEXE,2 \TRACE\ 3 5 5 P.AAH \process_show\	:
							5E	ŏ	00000	000		PROCESS	.ASCII .LONG .ADDRESS .PSECT .SHOW:	\$CODE\$,NOWRT,2 Save nothing #4, SP	; 038
						0000G		0000; 00006	CFF 03 ACFF E5	C9FF DB B D 9 D 7 T	00005 00009 0000D 0000F 00014	1\$:	SUBL2 PUSHAB PUSHAB PUSHL CALLS BLBC MOVL MOVAB CMPL	P.AAI P.AAG #1 #3, CNF\$TRACE KNOWN, 2\$ CNF\$GQ_CIRSURLST, CIR CNF\$GQ_CIRSURLST, RO CIR, RO 4\$ INFTYP CIR IRB #3, SHOW_CIRCUIT	04: 04: 04: 04:
						0000v	CF 37	10 04 04	AC AC OS SO SO	0000BB01100	00018 0001D 00025 00027 0002D 0003D 0003S 0003S 0003S 00041 00046 00049	2\$:	MOVL MOVAB CMPL BEQL PUSHL	acir 15	043 043 043
						0000G	CF 12 CF 12	10 04 04	50000000000000000000000000000000000000	0.1	0004F		PUSHL CALLS BLBC PUSHL PUSHL PUSHL CALLS BLBS	CIRCUITNAM DSC #2. CNF\$LOCATE_CIR_BLK RO. 3\$ INFTYP CIR IRB #3. SHOW_CIRCUIT STATUS, 4\$	04
							7E 7E	0C 04	AC 03 09 AC	04 00 70 00	00057 0005A 0005B 0005E 00061 00064	3\$:	PUSHL MOVQ MNEGL PUSHL	CIRCUITNAM_DSC #3, -(SP) #9, -(SP) IRB	04

CN

CNF SHOW V04-000

DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 VAX-11 Bliss-32 V4.0-742 process_show Search the data base and format 14-Sep-1984 12:49:54 [NICNF.SRC]CNFSHOW.B32:1

Page (4)

0000G CF

CALLS #5, CNF\$BUFR_ERR_MSG MOVL #1, RO

: 0441

; Routine Size: 112 bytes, Routine Base: \$CODE\$ + 0056

```
CNF SHOW
V04-000
                                                                                                16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
                                                                                                                                     VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32:1
                        DECnet Ethernet Configurator Module
                                                                                                                                                                                           Page 10 (5)
                        show_circuit Format all systems for circuit
                                    *SBTTL 'show_circuit Format all systems for circuit'
ROUTINE SHOW_CIRCUIT (IRB, CIR, INFTYP) =
    Build the NICE for the SHOW response message and buffer it for
                                         transmission to the connectee.
                                                irb
                                                                         Interrupt request block, contains context for returning
                                                                        responses to connectee.
                                                cir
                                                                        Address of Circuit control block of circuit SHOW
                                                                        was requested for.
                                                                        Code determining which information type was requested for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                                inftyp
                                         Always return success, any errors will be buffered for return to
                                         connectee.
                                          BEGIN
                                          MAP
                                                CIR : REF BBLOCK:
                                          LOCAL
                                                                                                               Buffer to obtain the current system time
Buffer to calculate the time difference between the curren
the time surveillance began on the circuit.
Pointer into the buffer where the NICE message is being bu
Descriptor of NICE message buffer
Descriptor of NICE Template buffer
                                                CURRENT_TIMBUF : BBLOCK [8],
DELTA_TIMBUF : BBLOCK [8],
                                               NICE : REF BBLOCK,
NICE_BUFDSC : BBLOCK [DSC$C_S_BLN],
NICE_TMPDSC : BBLOCK [DSC$C_S_BLN],
SID : REF BBLOCK,
TIMBUF : VECTOR [7, WORD];
                                                                                                               Pointer to a system ID message
Buffer for converting binary time format to ASCII for NICE
                                          BIND
                                                CONF = UPLIT (%ASCIC 'CONFIGURATOR') : VECTOR [,BYTE]; ! Module name to place into NICE return
                                          Zero the descriptor which will locate the buffer where the NICE response will be built, allocate the buffer, and initialize buffer pointer.
                                          CHSFILL (O, DSCSC S BLN, NICE_TMPDSC);
EXECUTE (CNFSGET_ZVM (XREF (NICE_BUFLEN), NICE_TMPDSC [DSCSA_POINTER]));
NICE = .NICE_TMPDSC [DSCSA_POINTER];
                                                Place Error status
                                                                        return code
                                                         byte
                                                         bytes
                                                                        error detail
                                                         byte
                                                                         length of error message
                                           (.NICE) < 0, 8 > = xx'01';
                                                                                                            ! Return code SUCCESS
```

```
D 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
VO4-000
                          DECnet Ethernet Configurator Module
                                                                                                                                                 VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                                                             Page 11 (5)
                          show_circuit format all systems for circuit
                                              (.NICE) <8, 16> = %x'fffff';
(.NICE) <24, 8> = %x'00';
                                                                                                                       ! Error detail, SUCCESS ! Error text length
     Copy over the module entity, CONFIGURATOR
                                                                               Length of CONFIGURATOR string CONFIGURATOR string
                                                           1 byte
12 bytes
                                              (.NICE) <32, 8> = .CONF [0];

NICE = .NICE + 5;

CH$MOVE (.CONF [0], CONF [1], .NICE);

NICE_TMPDSC [DSC$W_LENGTH] = 5 + .CONF [0];

NICE = .NICE + .CONF [0];
                                                                                                                          Length of CONFIGURATOR string
                                                                                                                       ! Set pointer to beginning of circuit name
                                                                                                                          Point to free space in buffer after
                                                                                                                         the circuit name which was just copied in
                                                     Copy over Circuit name entity
                                                              bytes
                                                                               Circuit entity ID
                                                                               Parameter type = ASCII
Length of circuit name
                                                              byte
                                                           1 byte
                                                                               Circuit name
                                                           n bytes
                                              (.NICE) <0, 16> = NMA$C_PCCN_CIR;

(.NICE) <16, 8> = NMA$C_PTY_AI;

(.NICE) <24, 8> = .CIR [CIR$W_CIRNAMLEN]; | Length of Circuit name

NICE = .NICE + 4; | Set pointer to beginning of circuit name

CH$MOVE (.CIR [CIR$W_CIRNAMLEN], CIR [CIR$T_CIRNAM], .NICE);

NICE = .NICE + .CIR [CIR$W_CIRNAMLEN]; | Point to free space in buffer after
                                              NICE = .NICE + .CIR [CIR$W_CIRNAMLEN]; ! Point to free space in buffer after ! the circuit name which was just copied in NICE_TMPDSC [DSC$W_LENGTH] = .NICE_TMPDSC [DSC$W_LENGTH] + 4 + .CIR [CIR$W_CIRNAMLEN];
                                                     Place in Surveillance parameter
                                                     as a coded value
                                                           2 bytes
1 byte
                                                                               Surviellance parameter ID
Surveillance type = coded byte
                                                                               Surveillance value
                                                           1 byte
                                              (.NICE) <0, 16> = NMA$C_PCCN_SUR;
                                                     BEGIN
                                                     BIND
                                                     TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V_PTY_COD] = TRUE;

TYPE [NMA$V_PTY_CLE] = 1;
                                                                                                                       ! Surveillance is returned as a coded value ! The coded value is 1 byte in length
                                              (.NICE) <24, 8> = .CIR [CIR$B_SURVEIL];
NICE = .NICE + 4;
                                                                                                                       ! Set pointer to end of buffer where Elapsed Time will be pl
                                                     Place in Elapsed Time parameter
                                                     as a coded multiple
                                                           2 bytes
1 byte
                                                                               Elasped Time parameter ID
                                                                               Elasped time type = coded multiple of 3 fields
```

```
DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 show_circuit Format all systems for circuit 14-Sep-1984 12:49:54
CNF SHOW
V04-000
                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                                                                         Page 12 (5)
                           789012345678901234567890123
5556612345678901234567890123
5556612345678901234567890123
555661234567890123
555661234567890123
555661234567890123
555661234567890123
    byte
                                                                                    hours type = unsigned decimal word
                                                                                    hours value
                                                                   bytes
                                                                  byte
                                                                                    minutes type = unsigned decimal byte
                                                                                    minutes value
                                                                  byte
                                                                                    seconds type = unsigned decimal byte
                                                                  byte
                                                                                    seconds value
                                                                  byte
                                                 (.NICE) <0, 16> = NMASC_PCCN_ELT;
                                                                                                                                            ! Set parameter ID
                                                        BEGIN
BIND
                                                              CODMUL_TYP = .NICE + 2 : BBLOCK,
HR_TYP = .NICE + 3 : BBLOCK,
MIN_TYP = .NICE + 6 : BRLOCK,
SEC_TYP = .NICE + 8 : BBLOCK;
                                                        CODMUL_TYP [NMA$V_PTY_COD] = TRUE;
CODMUL_TYP [NMA$V_PTY_MUL] = TRUE;
CODMUL_TYP [NMA$V_PTY_CLE] = 3;
                                                                                                                                            ! Elapsed Time is returned as a coded
                                                                                                                                                 multiple.
                                                                                                                                            ! There are three fields in the coded multiple
                                                                 Get the current system time, subtract
Time of Surveillance start from Current time
                                                                 to get negative Delta time
                                                       EXECUTE ($GETTIM (TIMADR = CURRENT TIMBUF));
SUBM (2, CIR [CIR$Q_ELAPSDTIM], CURRENT TIMBUF, DELTA_TIMBUF);
EXECUTE ($NUMTIM (TIMBUF = TIMBUF, TIMADR = DELTA_TIMBUF));
                                                       HR_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
HR_TYP [NMA$V_PTY_NLE] = 2;
                                                                                                                                               Unsigned decimal
                                                                                                                                                word.
                                                        (.NICE) <32, T6> = .TIMBUF [3];
                                                                                                                                            ! Hours
                                                       MIN_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
MIN_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <56, 85 = .TIMBUF [4];
                                                                                                                                            ! Unsigned decimal
                                                                                                                                               byte.
                                                                                                                                            ! Minutes
    411 412 413
                                                       SEC_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
SEC_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <72, 8> = .TIMBUF [5];
                                                                                                                                            ! Unsigned decimal
                           0594
0595
0596
0597
0598
0599
0601
0602
0603
0604
0606
0607
0610
0611
0612
0613
                                                                                                                                            ! byte.
                                                                                                                                            ! Seconds
    414
    416
                                                NICE_TMPDSC [DSC$W_LENGTH] = 14 + .NICE_TMPDSC [DSC$W_LENGTH];
    418
4201
4223
4223
4224
4228
4230
4331
                                                SID = .CIR [CIR$L_SIDFLINK];
                                                                                                                                            ! Point to first System ID
                                                IF (.SID EQL CIR [CIR$L_SIDFLINK]) OR ((.INFTYP NEQ NMA$C_OPINF_STA) AND (.INFTYP NEQ NMA$C_OPINF_CHA))
                                                                                                                                            ! There are no ID's collected for this circuit
                                                                                                                                            ! or Summary requested
                                                 THEN
                                                              Print only circuit info, not system ID's, since either there are no ID's collected, or a SHOW SUMMARY was requested.
                                                        CNF$BUFR_NICE_MSG (.IRB, NICE_TMPDSC, NICE_BUFLEN);
                                                        RETURN TRUE:
                                                        END
```

```
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
VO4-000
                     DECnet Ethernet Configurator Module
                                                                                                                       VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32:1
                                                                                                                                                                        Page 13 (5)
                     show_circuit Format all systems for circuit
   ELSE
                                                Traverse the list of system ID's and format a NICE response
                                                 for each one. Each one will be appended to a repeat of the
                                                circuit info already gathered.
                                           WHILE .SID NEQ CIR [CIR$L_SIDFLINK] DO
                                                                                                            ! For all the System ID's
                                                BEGIN
                                                      Zero the descriptor and allocate a clean buffer for the NICE
                                                      response message. Then copy the message already built for the circuit info as the start of the message to which the system ID
                                                      info will be appended.
                                                CHSFILL (O, DSCSC_S BLN, NICE_BUFDSC);
EXECUTE (CNFSGET_ZVM (%REF (NICE_BUFLEN), NICE_BUFDSC [DSCSA_POINTER]));
CHSMOVE (.NICE_TMPDSC [DSCSW_LENGTH], .NICE_TMPDSC [DSCSA_POINTER]),
.NICE_BUFDSC [DSCSA_POINTER]);
NICE_BUFDSC [DSCSW_LENGTH] = .NICE_TMPDSC [DSCSW_LENGTH];
                                                      Append the system ID info to the NICE response, and
                                                      buffer the message for later transmission.
                                                      Then follow list pointer to next system ID.
                                                SHOW SYSTEM (.SID, NICE_BUFDSC);
CNF$BUFR_NICE_MSG (.IRB, NICE_BUFDSC, NICE_BUFLEN);
SID = .SID [SID$L_LINK];
                                                END:
                                                                                      ! While processing all system ID's for the circuit
                                                Return the buffer which we used to build the circuit info part
                                                of the response.
                                           EXECUTE (CNF$FREE_VM (%REF (NICE_BUFLEN), NICE_TMPDSC [DSC$A_POINTER])); END; There are system ID's for this circuit
                     0650
0651
0652
0653
                                      RETURN TRUE:
                                     END:
                                                                                      ! Routine show_circuit
                                                                                                    .PSECT $PLIT$, NOWRT, NOEXE, 2
          52 4F
                     54 41 52 55 47 49
                                                                      43
                                                                                 00054 P.AAK:
                                                                                                    .ASCII <12>\CONFIGURATOR\<0><0><0>
                                                                      52
                                                                                         P.AAM:
                                                                                                              \TRACE\
                                                                                                    .ASCII
                                                                                                    .BLKB
                                                                   00000005
00000000
00000000
73
                                                                                 0006C
00070
00074
00080
00084
                                                                                         P.AAL:
                                                                                                    .LONG
                                                                                                     ADDRESS P. AAM
                                                                6F
                74 69 75 63 72 69 63 5F 77
                                                                                         P.AAO:
                                                                                                    .ASCII
                                                                                                              \show_circuit\
                                                                                                    . LONG
                                                                                         P.AAN:
                                                                                                     ADDRESS P.AAO
                                                                                         CONF =
                                                                                                     EXTRN SYSSGETTIM, SYSSNUMTIM
```

CNF SHOW V04-000	DECne show	t Ethe	rnet Config t Format	gurato all s	r Module ystems fo	or ci	ircu	16-S it 14-S	5 ep-1984 02:05 ep-1984 12:49	:37 VAX-11 Bliss-32 V4.0-742 :54 [NICNF.SRC]CNFSHOW.B32;1	Page 14
									.PSECT	\$CODE\$,NOWRT,2	
						(OFC		OW_CIRCUIT:	Save 82 83 84 85 86 87	: 0444
				5E	0000:	CF CF	C2 9F	00002 00005 00009 0000D 0000F 00014	WORD SUBL2 PUSHAB PUSHAB PUSHL CALLS MOVC5	Save R2,R3,R4,R5,R6,R7 #52, SP P.AAN P.AAL	0482
			00000		0000	01	9F DD FB 2C	00000	PUSHL		: 048
08		00	00006	CF 6E	• • •	00	20	00014	MOVC5	#3, CNF\$TRACE #0, (SP), #0, #8, NICE_TMPDSC	: 0488
			04	AE	14 18 80 04	0AEF AE 200 AE 1	9F	00019 0001B			0489
			00006	AE	04	AE	9FA 9FB 9FB 900 9A 9A 908	0001B 0001E 00023 00026 0002B	PUSHAB	NICE_TMPDSC+4 #128, 4(SP) 4(SP)	
			00000	79	18	50	E9	0002B	BLBC	#2, CNF\$GET_ZVM STATUS, 1\$ NICE_TMPDSC+4, NICE	
				79 56 86 86	10	01	90	00032	MOVE	#1, (NICE)+	0490
					00001	86 CF 57	94	00038	CLRB	#1, (NICE)+ #1, (NICE)+ (NICE)+ CONF, R7 R7, (NICE)+	0490 0490 0500 0500
		66	0000	57 96	0000	57	90	0003F	MOVB	R7, (NICE)+	
	1	4 AE	0000	57		05	A1	00048	ADDW3	R7, (NICE)+ R7, CONF+1, (NICE) #5, R7, NICE_TMPDSC R7, NICE #100, (NICE)+	051
				86	64	8F	9B	00050	MOVZBW	#100, (NICE)+	0511 0512 0513 0524 0525
				57	08	AC A7	90	00058	MOVL	#64, (NICE)+ CIR, R7 22(R7), (NICE)+	0526
		66	18	A7 50	40 08 16 16	057 8F 8F A77 A77	C989098200	00060	MOVC3	22(R7), 24(R7), (NICE)	0528
				50 56 50		50 AE		0006A 0006D	ADDL2 MOVZWL	22(R7), (NICE)+ 22(R7), 24(R7), (NICE) 22(R7), R0 R0, NICE NICE TMPDSC, R0 22(R7), R1 R1, R0	0531
				51	14	A7 51	32	00071	CVTWL ADDL2	22(R7), R1 R1, R0	
	1	4 AE		50 50 86	6E	04 8F	A1 9B	00078 0007D	ADDW3 MOVZBW	#110 (NICE)I	0541
86		06		66	6E 80	8F 01	88 F0	00081 00085	BISB2 INSV	#128, (NICE) #1, #0, #6, (NICE)+	: 0545 : 0545 : 0546
				00 86 66 A6 00	OA 6F CO	04 8F 01 AF 8F 03 AE	90 9B	0008A 0008E	MOVB	#128, (NICE) #1, #0, #6, (NICE)+ 10(R7), (NICE)+ #111, (NICE) #192, 2(NICE)	: 0546 : 0548 : 0564
02 A6		06	02	A6 00		8F 03	88 F0	00092 00097	BISB2 INSV	#192, 2(NICE) #3, #0, #6, 2(NICE)	0564 0573 0574 0581
			000000006	00	50	AE 01	9F FB	0009D 000A0	PUSHAB	CURRENT TIMBUF #1, SYSSGETTIM	: 0581
	2	4 AE		1E	30		3301988009880F9B9309FF	000A7 18	BLBC SUBL3	#192, 2(NICE) #3, #0, #6, 2(NICE) CURRENT TIMBUF #1, SYS\$GETTIM STATUS, 2\$ 48(R7), CURRENT TIMBUF, DELTA_TIMBUF CURRENT_TIMBUF, DELTA_TIMBUF 52(R7), DELTA_TIMBUF DELTA_TIMBUF TIMBUF #2 SYS\$NIMTIM	: 0582
			26 28 28	AE AE AE	30 34 24 08	AE A7	D9	000B1 000B6	MOVL	CURRENT_TIMBUF, DELTA_TIMBUF 52(R7), DELTA_TIMBUF	
					24 08	AE	9F 9F	000BB 000BE	PUSHAB PUSHAB	DELTA TIMBUF TIMBUF	0583
			0000000G	00 7B		507 AE7 AE 0500	FB E9 8A	00035 00035 00035 00035 000038 000048 000054 000058 000060 000060 000071 000081 000081 000081 000081 000081 000081 000081 000081 000081 000081 000081 000081 000081 000081	PUSHAB MOVZBL PUSHAB CALLS BLBC MOVB MOVB MOVB MOVB MOVB MOVB MOVZBL MOVZBL MOVZBL MOVZBL MOVZBL MOVZBL MOVZBL MOVZBL MOVZBL ADDL2 MOVZBL SUBL3 MOVZBL INSV	#2, SYS\$NUMTIM STATUS, 5\$ #48, 3(NICE) #2, #0, #4, 3(NICE) TIMBUF+6, 4(NICE)	1
03 A6		04	03	A6 00		30 02 AE	FO BO	000CB 000CF	BICB2	#48, 3(NICE) #2, #0, #4, 3(NICE)	0585 0586 0587

04	06 07 08 09 14	A6 000 A6 A6 000 A6 AE 56 50 01 02 7E CF 50 6E	0C 0E 40 40 0C 0C 0C 80 18 04	301E01EE776CC7C1FEC307640	8 F 9 O O O O O O O O O O O O O O O O O O	000E 000E 000F 000F 0010 0010 0010 0011		BICB2 INSV MOVB BICB2 INSV MOVB ADDW2 MOVAB CMPL BEQL CMPL	#148 #14(R) 64(R) 510 510 510 510 510 510 510 510 510 510	VAX-11 Bliss-32 V4.0-742 [NICNF.SRCJCNFSHOW.B32;1 6(NICE) W0, W4, 6(NICE) BUF+8, 7(NICE) W0, W4, 8(NICE) W0, W4, 8(NICE) NICE TMPDSC W1, SID W2, W1 WP, W2 W1, -(SP) TMPDSC CNF\$BUFR_NICE_MSG W7, R0 R0 R0 R0	0589 0590 0591 0593 0594 0595 0598 0600 0602 0603 0604
	09	01 02 7E CF 50	40 40 00 00 80 18 04 40	A7760CC7C18EC300764	A00 9E 013 013 013 9F 00	000E 000F 000F 0010 0010 0010 0011 0011		INSV MOVB ADDW2 MOVL MOVAB CMPL BEQL CMPL CMPL CMPL CMPL CMPL CMPL CMPL CMP	#148 #14(R) 64(R) 510 510 510 510 510 510 510 510 510 510	WO, #4, 8(NICE) BUF+10, 9(NICE) NICE TMPDSC (7), SID (7), RO RÓ (YP, #1 (YP, #2), -(SP) _TMPDSC CNF\$BUFR_NICE_MSG	0603 0604 0611
00		01 02 7E CF 50	40 40 00 00 80 18 04 40	A7760CC7C18EC300764	A00 9E 013 013 013 9F 00	0011 0011 0011 0011		PUSHL CALLS BRB MOVAB CMPL	1NFT 4\$ 1NFT 4\$ #128 NICE 1RB #3,	YP, #2 YP, #2 -(SP) -TMPDSC CNF\$BUFR_NICE_MSG	0603 0604 0611
00	0000G	01 02 7E CF 50	0C 0C 80 18 04 40	AE 030 67 544	9E D1 13 D1 13 9A DD	0011 0011 0011 0011		PUSHL CALLS BRB MOVAB CMPL	1NFT 4\$ 1NFT 4\$ #128 NICE 1RB #3,	YP, #2 YP, #2 -(SP) -TMPDSC CNF\$BUFR_NICE_MSG	0603 0604 0611
00	0000G	02 7E CF 50	0C 80 18 04 40	AE 030 67 544	9F DD	0011 0011 0011 0011		PUSHL CALLS BRB MOVAB CMPL	1NFT 4\$ 1NFT 4\$ #128 NICE 1RB #3,	YP, #2 YP, #2 -(SP) -TMPDSC CNF\$BUFR_NICE_MSG	0604
00	0000G	7E CF 50 50	80 18 04 40	AE 030 67 544	9F DD	0011 0011 0011 0011		PUSHL CALLS BRB MOVAB CMPL	#128 NICE IRB #3,	(SP) _TMPDSC CNF\$BUFR_NICE_MSG	0611
00	0000G	CF 50 50	40	AE 030 67 544	9F DD	0011 0011 0011 0011		PUSHL CALLS BRB MOVAB CMPL	NICE IRB #3,	CNF\$BUFR_NICE_MSG	
00	0000G	50 50	40	60 A7 56 44		0011	45:	MOVAB CMPL	1RB #3,	CNF\$BUFR_NICE_MSG	0612 0622
00				A7 56 44	9E 01 13	0012	45:	MOVAB CMPL	64 (R	(7) RO	0622
00				44	13	0012					:
				9.5	50	0012		BEQL MOVC5	6\$	(SP), #0, #8, NICE_BUFDSC	: 0630
	04	AE	10 20 80 04	OO AE AE AE OZ	9F 9A	0013		PUSHAB MOVZBL PUSHAB	NICE	BUFDSC+4	0631
	00006	CF	04	AE 02	9F FB	0013		PUSHAB	4(50		
20 BE	18	BE BE	14	50 AE	E9	0014	5\$:	BLBC MOVC3	NICE.	US, 8\$	0633
	10	AE	ič	AE 56	9F	0015		PUSHAB	NICE:	_BUFDSC NICE_BUFDSC	0633 0634 0641
	0000v	CF 7E	80	02 8F	FB 9A	0015		MOVZBL	#128	SHOW SYSTEM	0642
	00006	**	20 04	AC	9F	0016		PUSHAB	NICE.	_BUFDSC	
	00006	56		66 83	D0	0016		MOVL	(SÍD), SID	0643 0622 0649
	04	AE	18 80	AE 8F	9F	0017	6\$:	PUSHAB	NICE #128	TMPDSC+4	0649
	0000G	CF	04	OS VE	FB	0017		PUSHAB	4(SP)	CNF\$FREE_VM	
		50		01	00	0018	7\$: 8\$:	MOVL	#1, F	RO RO	0652
		0000v 0000G 04 0000G	1C AE 0000V CF 7E 0000G CF 56 04 AE 0000G CF 035 50	1C AE 14 1C 0000V CF 7E 80 20 04 0000G CF 56 18 04 AE 80 04 0000G CF 03 50	1C AE 14 AE 16 AE 02 AE 02 AE 04 AC 03 AE 04 AE 04 AE 04 AE 04 AE 04 AE 05 O1 O1	1C AE 14 AE BO 1C AE 9F 0000V CF 02 FB 02 FB 02 AE 9F 04 AC DD 04 AC DD 056 066 DO 83 11 04 AE 80 8F 9A 04 AE 80 8F 9A 04 AE 9F 0000G CF 02 FB 03 FB 04 AE 80 8F 9A 04 AE 9F 050 E9	1C AE 14 AE BO 00150 1C AE 9F 00155 56 DD 00158 002 FB 0015A 7E 80 8F 9A 0015F 20 AE 9F 00163 04 AC DD 00166 04 AC DD 00166 056 66 DO 00166 075 683 11 00171 075 18 AE 9F 00178 077 18 AE 9F 00178 078 18 AE 9F 00178 079 18 AE 9F 00178 08 18 AE 9F 00178 09 18 AE 9F 00178	1C AE 14 AE BO 00150 1C AE 9F 00155 56 DD 00158 0000V CF 02 FB 0015A 7E 80 8F 9A 0015F 20 AE 9F 00163 04 AC DD 00166 03 FB 00169 56 66 DO 0016E 83 11 00171 04 AE 80 8F 9A 00176 04 AE 9F 00173 6\$: 04 AE 80 8F 9A 00176 04 AE 9F 00178 05 E9 00183 50 01 DO 00186 7\$: 04 00189 8\$:	1C AE 14 AE BO 00150 MOVW 1C AE 9F 00155 PUSHAB	0000V CF 7E 80 8F 9A 0015F MOVZBL #128 20 AE 9F 00163 PUSHAB NICE 04 AC DD 00166 PUSHL IRB 04 AC DD 00166 PUSHL IRB 06 DD 0016E MOVL (SID B3 11 00171 BRB 4\$ 18 AE 9F 00173 6\$: PUSHAB NICE MOVZBL #128 04 AE 04 AE 80 8F 9A 00176 MOVZBL #128 04 AE 9F 00178 PUSHAB 4(SP	0000V CF 7E 80 8F 9A 0015A 20 AE 9F 00163 004 AC DD 00166 005 FB 00165 006 DD 00165 007 PUSHAB NICE_BUFDSC 008 PUSHL IRB 0000G CF 009 PUSHAB NICE_TMPDSC+4 009 P

```
I 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
V04-000
                     DECnet Ethernet Configurator Module
                                                                                                                    VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                           (6)
                                                                                                                                                                    Page
                     show_system Format System ID info
                    %SBTTL 'show_system format System ID info'
ROUTINE SHOW_SYSTEM (SID, NICEBUF) =
   Format the information in the system ID message stored in SID and build a NICE message which will be appended to the NICE message for the circuit which is in NICEBUF.
                                          sid
                                                       Pointer to buffer containing a system ID message
                                          nicebuf
                                                       Descriptor of buffer containing circuit NICE message
                                    Always return success. There is no error checking.
                                     BEGIN
                                     MAP
                                          NICEBUF : REF BBLOCK,
                                          SID : REF BBLOCK;
                                     LOCAL
                                          NICE : REF BBLOCK,
TIMBUF : VECTOR [7, WORD];
                                     NICE = .NICEBUF [DSC$A_POINTER] + .NICEBUF [DSC$W_LENGTH];
                                          Place in Physical Address parameter
                                          as a Hex Image 6
                                                  bytes
                                                               Physical Address parameter ID
                                                 byte
                                                               Physical Address type = Hex Image (HI-6)
                                                               Physical Address value
                                               6 bytes
                                     (.NICE) <0, 16> = NMASC_PCCN_PHA;
                                          BEGIN
                                          BIND
                                          TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V_PTY_NTY] = NMA$C_NTY_H;

TYPE [NMA$V_PTY_NLE] = NMA$C_NLE_IMAGE;
                                                                                                 returned as a Hex
                                          END:
                                     (.NICE) <24.8> = SID$C_ADRLEN;
CH$MOVE (SID$C_ADRLEN, SID [SID$T_CURADR], (.NICE + 4) );
NICE = .NICE + 4 + SID$C_ADRLEN; ! Set pointer to end of buffer where next parameter will be
```

```
J 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
                        DECnet Ethernet Configurator Module
CNF SHOW
V04-000
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                                                Page
                         show_system Format System ID info
                        Place in Last Report parameter
                                                  as a coded multiple
                                                                          Last Report parameter ID 
Last Report type = coded multiple of 5 fields
                                                           bytes
                                                           byte
                                                           byte
                                                                          Day type = unsigned decimal byte
                                                           byte
                                                                          Day value
                                                           byte
                                                                          Month type = Coded byte
                                                                          Month coded value
                                                           byte
                                                                          hour type = unsigned decimal byte hour value
                                                           byte
                                                           byte
                                                           byte
                                                                          minutes type = unsigned decimal byte
                                                           byte
                                                                          minutes value
                                                                          seconds type = unsigned decimal byte
                                                           byte
                                                          byte
                                                                          seconds value
                                           (.NICE) <0, 16> = NMA$C_PCCN_LRP;
                                                 BEGIN
BIND
                                                       CODMUL TYP = .NICE + 2 : BBLOCK,
DAY_TYP = .NICE + 3 : BBLOCK,
MON_TYP = .NICE + 5 : BBLOCK,
HR TYP = .NICE + 7 : BBLOCK,
MIN_TYP = .NICE + 9 : BBLOCK,
SEC_TYP = .NICE + 11 : BBLOCK;
                                                 CODMUL_TYP [NMA$V_PTY_COD] = TRUE;
CODMUL_TYP [NMA$V_PTY_MUL] = TRUE;
CODMUL_TYP [NMA$V_PTY_CLE] = 5;
                                                                                                                            ! Last Report is returned as a coded
                                                                                                                                multiple.
                                                                                                                            ! There are five fields in the coded multiple
                                                 EXECUTE ($NUMTIM (TIMBUF = TIMBUF, TIMADR = SID [SID$Q_LSTREPORT]) );
                                                 DAY_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
DAY_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <32, 85 = .TIMBUF [2];
                                                                                                               ! Unsigned decimal
                                                                                                                    byte.
                                                                                                               Day
                                                 MON_TYP [NMA$V_PTY_COD] = TRUE;
MON_TYP [NMA$V_PTY_CLE] = 1;
(.NICE) <48, 85 = .TIMBUF [1];
                                                                                                                  Month is returned as a coded value
                                                                                                                     contained in 1 byte.
                                                                                                                  Month
                                                 HR_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
HR_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <64, 8> = .TIMBUF [3];
                                                                                                                  Unsigned decimal
                                                                                                                  byte.
                                                                                                                 Hour
                                                 MIN_TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
MIN_TYP [NMASV_PTY_NLE] = 1;
(.NICE) <80, 85 = .TIMBUF [4];
                                                                                                               ! Unsigned decimal
                                                                                                               byte.
Minute
                                                 SEC_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
SEC_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <96, 85 = .TIMBUF [5];
                                                                                                                 Unsigned decimal
                                                                                                                  byte.
                                                                                                               ! Second
                                                 END:
                                           NICE = .NICE + 13;
```

```
M 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
V04-000
                                                                                                                       VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32;1
                     DECnet Ethernet Configurator Module
                                                                                                                                                                        Page 20 (10)
                                       Format System ID info
                     show_system
   Place in Hardware Address parameter
                                           as a Hex Image 6
                                                   bytes
                                                                 Hardware Address parameter ID
                                                                Hardware Address type = Hex Image (HI-6)
Image length = 6
Hardware Address value
                                                   byte
                                                   bytes
                                      (.NICE) <0, 16> = NMASC_PCCN_HWA;
                                           BEGIN
BIND
                                           TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V_PTY_NTY] = NMA$C_NTY_H;

TYPE [NMA$V_PTY_NLE] = NMA$C_NLE_IMAGE;
                                                                                                            ! returned as a Hex
                                                                                                                image
                                     END;
(.NICE) <24.8> = SID$C_ADRLEN;
CH$MOVE (SID$C_ADRLEN, SID [SID$T_HRDWADR], (.NICE + 4) );
NICE = .NICE + 4 + SID$C_ADRLEN; ! Set |
                                                                                                                 of length 6
                                                                                                            ! Set pointer to end of buffer where next parameter
                                           Place in Device Type parameter
                                           as a coded value
                                                   bytes
                                                                 Device Type parameter ID
                                                                 Device Type type = coded byte
                                                 1 byte
                                                                Device Type code
                                      (.NICE) <0, 16> = NMA$C_PCCN_DTY;
                                           BEGIN
BIND
                                           TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V_PTY_COD] = TRUE;

TYPE [NMA$V_PTY_CLE] = 1;
                                                                                                 ! Device Type is returned as a coded value ! The coded value is 1 byte in length
                                     (.NICE) <24, 8> = .SID [SID$8_DEVICE];
NICE = .NICE + 4;
                                                                                                 ! Set pointer to end of buffer where Elapsed Time will be pl
                                     NICEBUF [DSC$W_LENGTH] = .MICE - .NICEBUF [DSC$A_POINTER];
   698
699
700
                                      RETURN TRUE;
                                     END:
                                                                            : Routine show_system
                                                                                                    .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                00088 P.AAQ:
0008D
00090 P.AAP:
00094
00098 P.AAS:
                                                                                                    .ASCII
                                                           43 41 52 54
                                                                                                              \TRACE\
                                                                   00000005
                                                                                                    .LONG
                                                                                                    ADDRESS P.AAQ
                         65 74 73 79 73 5F 77 6F
                                                                                                    .ASCII
                                                                                                              \show_system\
                                                                                                    .BLKB
                                                                                 000A4 P.AAR:
                                                                                                    .LONG
                                                                   0000000B
                                                                                                    .ADDRESS P.AAS
```

Page (10	VAX-11 Bliss-32 V4.0-742 ENICHF.SRCJCNFSHOW.B32;1	5:37 9:54	3 -Sep-1984 02:0 -Sep-1984 12:4	12		Module ID info	urator ystem	rnet Config Format S	ther	DECnet E show_sys		F SHOW 4-000
	DE\$,NOWRT,2	\$CODE	.PSECT									
065 067 067 068 069 069 069 069 069 069	e R2,R3,R4,R5,R6,R7,R8 SP AR CNF\$TRACE R7 NICE NICE (NICE) (NICE) (NICE) 16(R7), 4(NICE) NICE (NICE) 2, 2(NICE) MO, M6, 2(NICE) R7) BUF SYS\$NUMTIM TUS, 1\$	Save #16.4 P.AAI #13.0 (RR8 #12.5 #13.0 #13.0 #13.0 #13.0 #13.0 #13.0 #13.0 #13.0	PSECT SHOW_SYSTEM: .WORD SUBL2 PUSHAB PUSHAB PUSHL CALLS MOVQ MOVZWL ADDL2 MOVZBW INSV BICB2 MOVB MOVZBW BISB2 INSV PUSHAB PUSHAB PUSHAB CALLS BLBS RET BICB2 INSV	00000 00005 00005 00009 00000F 00014 00018 00018 00029 00029 00037 00037 00038	01FC 29FFDBBDC0BB0A08 980 980 980 980 980 980 980 980 980 9	0000° CF 0000° CF 01 04 A8 04 A8 04 A8 78 02 06 06 06 06 07 08 08 08 08 09 09 09 09 09 09 09 09 09 09 09 09 09	5E C57566046A67566A00	0000G 02 03 10 02	02 A6 06	04	A6	02
	BUF SYS\$NUMTIM TUS, 1\$	TIMBI #2 STATI	PUSHAB CALLS BLBS RET 1\$: BICB2	0004C 0004F 00056 00059 0005A	9F FB 0 E8 04	16 A7 04 AE 02 50	00 01	00000000G 03				
073 073 073	#0, #4, 3(NICE) BUF+4, 4(NICE) B, 5(NICE)	#1. TIMBU #128	INSV MOVB BISB2	00064		30 01 04 80 8F 01	A6 A6 A6	04 05	04		A6	03
073 073 074 074	BUF+2, 6(NICE)	TIMB!	MOVB BICB2	0006E 00074 00079	90 8A	02 AE	A6 00	06 07	06		A6	05
074	#0, #4, 7(NICE) BUF+6, 8(NICE)	TIMBL	INSV MOVB	0007b 00083	F0	06 AE	00 A6	08 09	04		A6	07
074 074 074	#0, #4, 9(NICE) BUF+8, 10(NICE)	#1, # TIMBU	INSV MOVB	00088 00080 00092	8A F0 90	06 AE 30 01 08 AE 30	A6 00 A6	OA OB	04		A6	09
074 074 074 074 075 075 075 077 078 078 078 078 078 078	3(NICE) #0, #4, 3(NICE) BUF+4, 4(NICE) #0, #6, 5(NICE) #0, #6, 5(NICE) #0, #4, 7(NICE) BUF+6, 8(NICE) #0, #4, 9(NICE) #0, #4, 9(NICE) #0, #4, 11(NICE) #0, #4, 11(NICE) #0, #4, 11(NICE) #0, #4, (NICE) #0, #6, (NICE)+ (NICE) #0, #4, (NICE)+ (NICE) #0, #4, (NICE)+ (NICE) #0, #4, (NICE)+ (NICE) #0, #4, (NICE)+ (NICE) #0, #4, (NICE)+ (NICE) #0, #4, (NICE)+ R7), (NICE)+	#1, # TIMBU #13 #2000	BICB2 INSV MOVB BISB2 INSV MOVB BICB2 INSV	00074 00079 00083 00088 00092 00097 0009B 000AE 000BF 000BF 000CF 000DF 000DF	8A F0 90 C0 B0 88 F0	0A AE 0D 4E21 8F CO 8F 03 30	A6 00 A6 56 86	OC OC	04		A6	08
977	#0, #6, (NICE)+	#3.	INSV	000B2	FO	03	90		06		86	
078 078 078	#0, #4, (NICE)+ R7), (NICE)+	30 (R)	INSV MOVB BICB2	000BA 000BF 000C3	8A F0 90 8A	1E A7 30	A6 56 86 60 60 86 60 86 60 86		04		86	
078 078	#0, #4, (NICE)+ R7), (NICE)+	31 (R	INSV MOVB BICR2	000C6 000CB	7 90	1F A7 30	00 86 66		04		86	
078 079 080	#0. #4. (NICE)+ R7), (NICE)+ R7)	32(R)	INSV MOVB TSTB	000D2 000D7 000DB	8A F 90 7 95	20 A7 21 A7	00 86		04		86	

CNF SHOW VO4-000		DECnet Eth show_syste	ernet Confi m Format	igurator System	Module ID info			16-S 14-S	4 ep-1984 02:05 ep-1984 12:49	:37	VAX-11 Bliss-32 V4.0-742 ENICHF.SRCJCNFSHOW.B32;1	Page 2
	86	0 0	c 22	86 66 00 A7 66 00	4E22 C0 21 80	26 8F 87 50 8F	130 88 60 118 86 188 188	000E0 000E5 000E9 000EF 000F1 000F6	BISB2	4\$ #2000 #192 33(R) INDED INDED #128	02, (NICE)+ (NICE) 7), #0, #6, (NICE)+ (, 34(R7), 3\$ (NICE)	081 081 082 082 082 082 082 083 084 084 085 086 086 086 087 087
02	A6	E 0	В	86 50 66 04 A6	4E27	50 0F 0F 0F	90 F3 B0 F0 80	000FF 00102 3\$ 00106 4\$ 00108 00111	INSV MOVB : AOBLEQ : MOVW INSV BICB2	INDEX #15 #2000 #2 #15,	(, 34(R7), 3\$ (NICE) (0, #6, (NICE)+ (, (NICE)+ INDEX, 2\$ ()7, (NICE) (4, #2, 2(NICE) ()87) 4(NICE)	082 083 084 084
	86	04 A		80 64 64 86 86 86 86 85 85	4E84 80	06 06 0A 8F 01 A7	28 CO BO 88 FO	00119 0011F 00122 00127 0012B	: MOVW INSV BICB2 MOVB MOVC3 ADDL2 MOVW BISB2 INSV MOVB SUBW3	#16	10(R7), 4(NICE) NICE DO, (NICE)+ , (NICE) #0, #6, (NICE)+ 7), (NICE)+	085 085 086 086
Routine	Size:	6 317 bytes		56 50 ne Base:	24 04 \$CODE\$	A7 A8 01	A3 D0 04	00134 00139 0013C	SUBW3 MOVL RET	4(R8) #1, F	, NICE, (RB)	: 087

16-Sep-1984 02:05:37 14-Sep-1984 12:49:54 VAX-11 Bliss-32 V4.0-742 [NICNF.SRC]CNFSHOW.B32;1 CNF SHOW V04-000 DECnet Ethernet Configurator Module show_system Format System ID info 702 0878 1 END 0879 0 ELUDOM ! End of module CNFSHOW PSECT SUMMARY Attributes Bytes Name NOVEC, NOWRT, RD , NOEXE , NOSHR , RD , NOEXE , NOSHR , RD , EXE , NOSHR , LCL, REL, LCL, REL, LCL, REL, CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) SPLITS SOWNS \$CODE\$ NOVEC, NOWRT, CON, NOPIC, ALIGN(2) Library Statistics ----- Symbols -----Pages Processing File Loaded Percent Total Mapped Time _\$255\$DUA28:[SYSLIB]STARLET.L32:1 _\$255\$DUA28:[SHRLIB]NMALIBRY.L32:1 9776 23 581 00:01.0 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: CNFSHOW/OBJ=OBJ\$: CNFSHOW MSRC\$: CNFSHOW/UPDATE=(ENH\$: CNFSHOW) 909 code + 188 data bytes 00:23.1 00:39.7 Size: Run Time: Elapsed Time: 00:39 Lines/CPU Min: 2282 Lexemes/CPU-Min: 19848

: Memory Used: 182 pages : Compilation Complete CN

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